



EPA Response to Hurricane Harvey

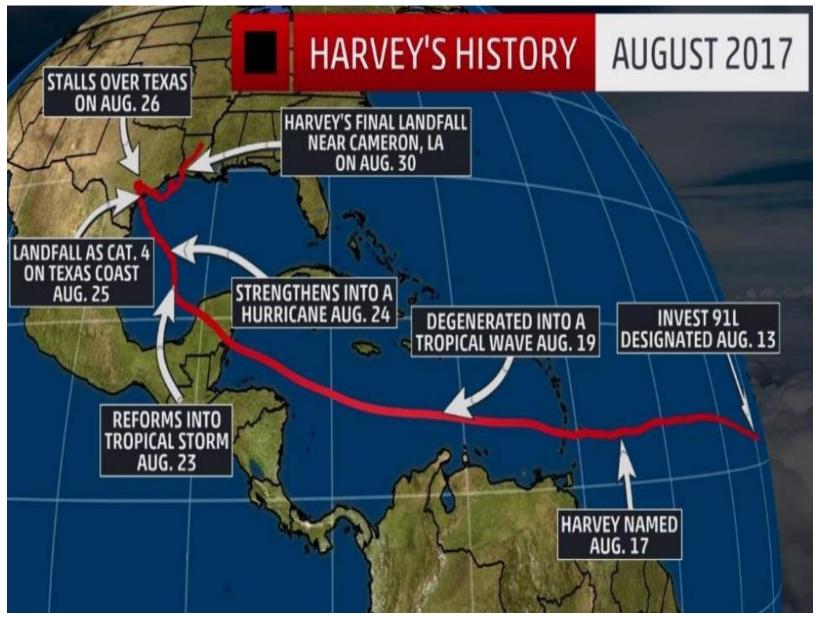
Carl Edlund
Director, Superfund Division
Region 6









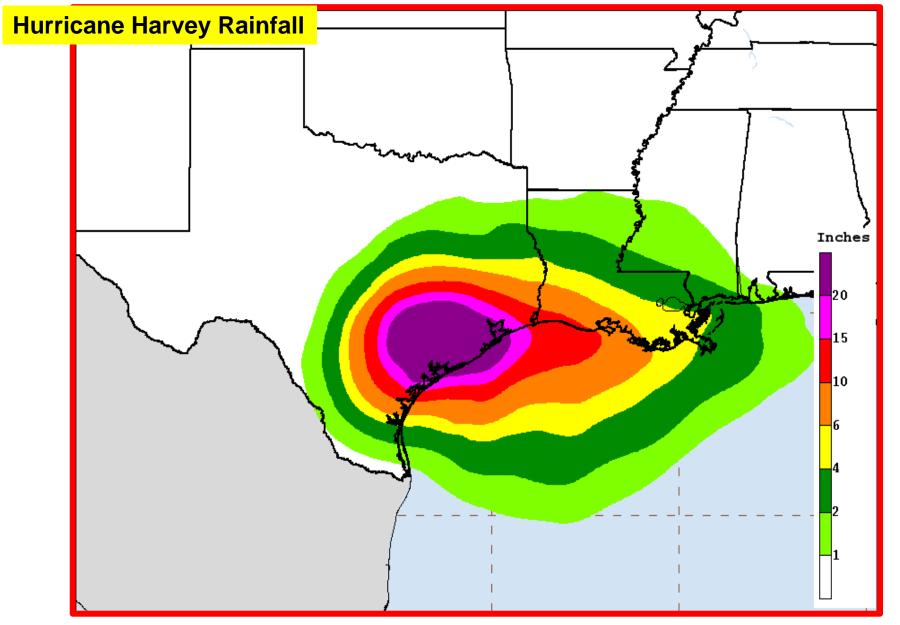












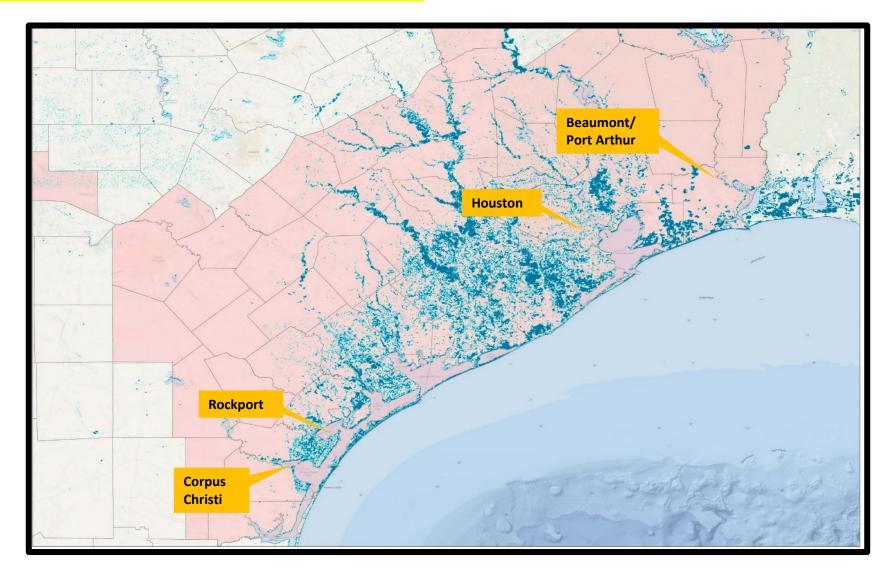








Hurricane Harvey Flooding











UNIFIED COMMAND









RESPONSE OBJECTIVES

- Maximize protection of public, health, and safety.
- Coordinate response effort through the Unified Command.
- Drinking water and wastewater systems
- Orphaned containers or discharges
- Identify and address pollution targets.
- Critical infrastructure, chemical, and refining facilities
- Inform the public, stakeholders, and the media of response
- Deploy unique EPA assets to support the unified command
- Secure Superfund sites





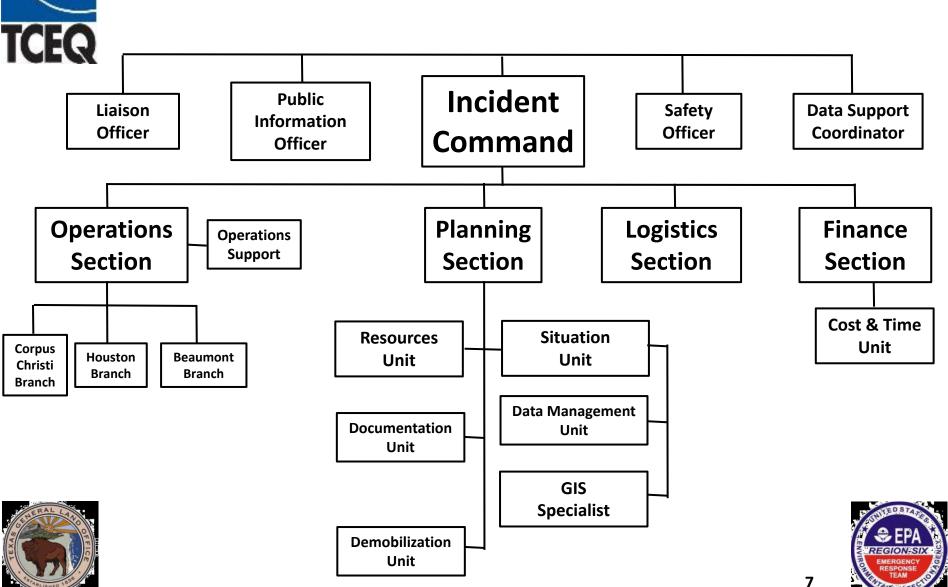




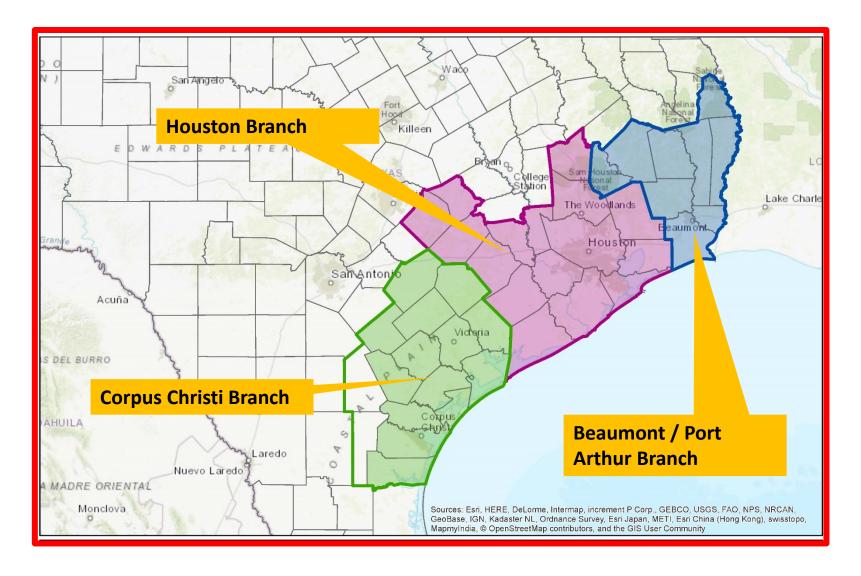


Unified Command Organization Chart





EPA Resources













Unified
Command
Mobile
Command Post









Command & General Staff Meeting





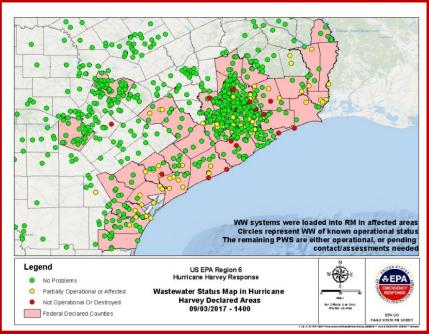




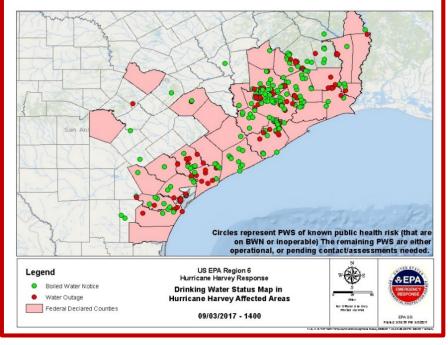


Drinking Water / Waste Water Assessments

















Orphaned Container Recovery

Port Arthur Orphan Container Recovery

Corpus Christi – EPA OSCs Sampling Drums at Pad in Level B



Corpus Christi Orphan Container Recovery – Port Aransas













Support to TCEQ / Staging Area Observers















Superfund Sites













ASPECT Activities

- DHS and DOE requested monitoring
- Pipelines
- Refineries
- Releases at chemical and oil facilities
- Releases and orphan containers











Arkema Chemical Facility, Crosby, TX

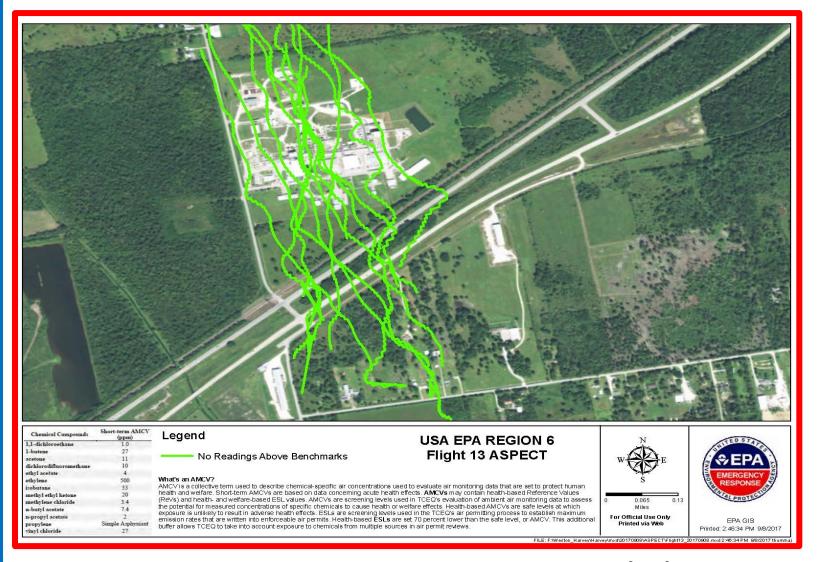












ASPECT Flights over Arkema









TAGA Activities



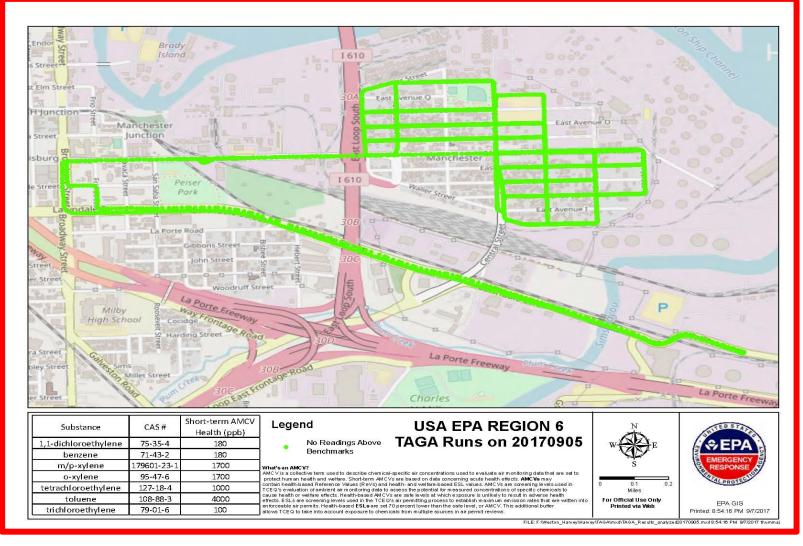
- Refinery monitoring
- Sensitive community monitoring
- Chemical manufacturing corridor monitoring











TAGA Product









PHILIS Activities

- On- Site Release assessment of analytical services
- Staging area sampling services
- Superfund site
 assessment analytical
 services











Community Liaisons











Accomplishments

- 648 Hazard Evaluations completed and closed
- > 256 spills/discharge investigation completed
- > 1,055 orphan containers recovered
- **→** 625 drinking water assessments completed
- > 441 waste water assessments completed
- Daily aerial over-flights for air monitoring
- ➤ Fuel waivers and No Action Assurance letters issued to support response/recovery activities













